SEQUENCE LISTING

<110> Vajnik, Vandanna
Samuels, Herbert
Li, Dangsheng

<120> NRIF3, A Novel Co-Activator for Nuclear Hormone Receptors

<130> 5986/1G098-US1

<140> TBA
<141> Concurrently Herewith

<150> US 60/154,347
<151> 1999-09-17

<160> 10

<170> FastSEQ for Windows Version 3.0

<210> 1
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<221> UNSURE
<222> (2)...(3)
<223> Conserved motif for SRC-1 amd CBP/p300 with nuclear receptors;
Xaa represents any amino acid

<400> 1
Leu Xaa Xaa Leu Leu
1 5

<210> 2
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<221> UNSURE
<222> (2)...(3)
<223> Domain of NRIF3 that interacts with liganded receptors;
Xaa represents any amino acid

<400> 2
Leu Xaa Xaa Ile Leu
1 5

<210> 3
<211> 592
<212> DNA
<213> Homo Sapien

<400> 3
cagcggcagt ggtgctttcc cgaatctcag aatgcctgtt aaaagatcac tgaagttgga 60
tggtctgtta gaagaaaatt catttgatcc ttcaaaaatc aaggaagaaa gtgttataac 120
ttattctcca acaactggaa cttgtcaaat gagtctattt gcttctccca caagttctga 180
agagcaaaag cacagaaatg gactatcaaa tgaaaagaga aaaaaattga atcacccagt 240
ttaactgaaa gcaaagaatc tacaacaaaa gacaatgatg aattcatgat gttgctatca 300
aaagttgaga aattgtcaga agaaatcatg gagataatgc aaaatttaag tagtatacag 360
gctttggagg gcagtagaga gcttgaaaat ctcattggaa tctcctgtgc atcacatttc 420
taaaaagaga aatgcagaaa accaaagaac taatgacaaa gtgaataaac aaaactgttt 480
gaaaagagta caggacttcc tcacaaagca tcacgtcatc ttgacagcta tgaattcctt 540
aaagcatttt aaactgaggc attaagaaga aatgcactca ccatgagcac ca 592

<210> 4
<211> 177
<212> PRT
<213> Homo Sapien

<400> 4
Met Pro Val Lys Arg Ser Leu Lys Leu Asp Gly Leu Leu Glu Glu Asn
1 5 10 15
Ser Phe Asp Pro Ser Lys Ile Thr Arg Lys Lys Ser Val Ile Thr Tyr
20 25 30
Ser Pro Thr Thr Gly Thr Cys Gln Met Ser Leu Phe Ala Ser Pro Thr
35 40 45
Ser Ser Glu Glu Gln Lys His Arg Asn Gly Leu Ser Asn Glu Lys Arg
50 55 60
Lys Lys Leu Asn His Pro Ser Leu Thr Glu Ser Lys Glu Ser Thr Thr
65 70 75 80
Lys Asp Asn Asp Glu Phe Met Met Leu Leu Ser Lys Val Glu Lys Leu
85 90 95
Ser Glu Glu Ile Met Glu Ile Met Gln Asn Leu Ser Ser Ile Gln Ala
100 105 110
Leu Glu Gly Ser Arg Glu Leu Glu Asn Leu Ile Gly Ile Ser Cys Ala
115 120 125
Ser His Phe Leu Lys Arg Glu Met Gln Lys Thr Lys Glu Leu Met Thr
130 135 140
Lys Val Asn Lys Gln Lys Leu Phe Glu Lys Ser Thr Gly Leu Pro His
145 150 155 160
Lys Ala Ser Arg His Leu Asp Ser Tyr Glu Phe Leu Lys Ala Ile Leu
165 170 175
Asn

<210> 5
<211> 4
<212> PRT
<213> Artificial Sequence

<220>

<223> Nuclear localization sequence of NRIF3

<400> 5
Lys Arg Lys Lys
1

<210> 6
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> C-terminus of beta3-endotoxin long form protein

<400> 6
Gly Gln Pro Gln Met Ser Pro Gln Leu
1 5

<210> 7
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> C-terminal peptide of NRIF3

<400> 7
Lys Ala Ser Arg His Leu Asp Ser Tyr Glu Phe Leu Lys Ala Ile Leu
1 5 10 15
Asn

<210> 8
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> 20-residue peptide of the second LxxLL box of SRC-1

<400> 8
Ser Leu Thr Glu Arg His Lys Ile Leu His Arg Leu Leu Gln Glu Gly
1 5 10 15
Ser Pro Ser Asp
20

<210> 9
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Idealized inverted repeat

<400> 9
aggtcatgac ct 12

<210> 10
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<222> (7)
<223> DR1 sequence; n represent any nucleotide

<400> 10
aggtcanagg tca 13